

IN THE CLAIMS

This listing of claims replaces all previous versions of the claims. Please amend the claims as follows:

Claims 1-32 (Canceled).

Claim 33 (Currently Amended): An isolated and purified compound, which comprises a sequence selected from the group consisting of EIDYHR (SEQ ID NO: 91), ELDYHR (SEQ ID NO: 92), EVDYHR (SEQ ID NO: 93), DIDYHR (SEQ ID NO: 94), DLDYHR (SEQ ID NO: 95), DVDYHR (SEQ ID NO: 96), DIDYRR (SEQ ID NO: 97), DLDYRR (SEQ ID NO: 98), DVDYRR (SEQ ID NO: 99), DKELRI (SEQ ID NO: 100), DWELRI (SEQ ID NO: 101), YREFFI (SEQ ID NO: 119), YREFRI (SEQ ID NO: 102), YAEFRG (SEQ ID NO: 103), EAEFRG (SEQ ID NO: 104), DYEFRG (SEQ ID NO: 105), ELEFRG (SEQ ID NO: 106), DRELRI (SEQ ID NO: 107), DKELKI (SEQ ID NO: 108), DRELKI (SEQ ID NO: 109), GREFRN (SEQ ID NO: 110), EYEFRG (SEQ ID NO: 111), DWEFRDA (SEQ ID NO: 112), SWEFRT (SEQ ID NO: 113), DKELR (SEQ ID NO: 114) and SFEFRG (SEQ ID NO: 115), wherein said compound binds to an antibody specific for DAEFRH (SEQ ID NO: 1), ~~but wherein X<sub>1</sub>X<sub>2</sub>X<sub>3</sub>X<sub>4</sub>X<sub>6</sub> is not DAEFRH (SEQ ID NO: 1) and~~ wherein the compound consists of ~~5 to~~ not more than 15 amino acid residues.

Claim 34 (Cancelled).

Claim 35 (Previously Presented): The compound of claim 33, further comprising covalently-coupled carrier.

Claim 36 (Previously Presented): The compound of claim 35, wherein said carrier is a peptide linker or a polypeptide.

Claim 37 (Previously Presented): The compound of claim 35, wherein said carrier is selected from the group consisting of KLH, tetanus toxoid, albumin binding protein, bovine serum albumin and dendrimer.

Claim 38 (Previously Presented): A composition comprising the compound of claim 33 and a pharmaceutically acceptable carrier or adjuvant.

Claim 39 (Previously Presented): The composition of claim 38, which comprises a non-covalently associated peptide linker or protein carrier.

Claim 40 (Previously Presented): The composition of claim 38, which comprises aluminum hydroxide.

Claim 41-42 (Cancelled)

Claim 43 (Previously Presented): The composition of claim 38 which comprises 0.1 ng to 10 mg of said compound.

Claim 44 (Previously Presented): The composition of claim 38, which comprises 100 ng to 100  $\mu$ g of said compound.

Claim 45 (Withdrawn): A method for treating Alzheimer's Disease comprising:  
administering to a subject in need thereof an effective amount of the compound of claim 33.

Claims 46-49 (Cancelled).

50. (Previously Presented) The compound of claim 33, which comprises EIDYHR  
(SEQ ID NO: 91).

51. (Previously Presented) The compound of claim 33, which comprises ELDYHR  
(SEQ ID NO: 92).

52. (Previously Presented) The compound of claim 33, which comprises EVDYHR  
(SEQ ID NO: 93).

53. (Previously Presented) The compound of claim 33, which comprises DIDYHR  
(SEQ ID NO: 94).

54. (Previously Presented) The compound of claim 33, which comprises DLDYHR  
(SEQ ID NO: 95).

55. (Previously Presented) The compound of claim 33, which comprises DVDYHR  
(SEQ ID NO: 96).

56. (Previously Presented) The compound of claim 33, which comprises DIDYRR  
(SEQ ID NO: 97).

57. (Previously Presented) The compound of claim 33, which comprises DLDYRR  
(SEQ ID NO: 98). 58. (New) The compound of claim 33, which comprises DVDYRR (SEQ  
ID NO: 99).

58. (Previously Presented) The compound of claim 33, which comprises DVDYRR  
(SEQ ID NO: 99).

59. (Previously Presented) The compound of claim 33, which comprises DKELRI  
(SEQ ID NO: 100).

60. (Previously Presented) The compound of claim 33, which comprises DWELRI  
(SEQ ID NO: 101).

61. (Previously Presented) The compound of claim 33, which comprises YREFFI  
(SEQ ID NO: 119).

62. (Previously Presented) The compound of claim 33, which comprises YREFRI  
(SEQ ID NO: 102).

63. (Previously Presented) The compound of claim 33, which comprises YAEFRG  
(SEQ ID NO: 103).

64. (Previously Presented) The compound of claim 33, which comprises EAEFRG  
(SEQ ID NO: 104).

65. (Previously Presented) The compound of claim 33, which comprises DYEFRG  
(SEQ ID NO: 105).

66. (Previously Presented) The compound of claim 33, which comprises ELEFRG  
(SEQ ID NO: 106).

67. (Previously Presented) The compound of claim 33, which comprises DRELRI  
(SEQ ID NO: 107).

68. (Previously Presented) The compound of claim 33, which comprises DKELKI  
(SEQ ID NO: 108).

69. (Previously Presented) The compound of claim 33, which comprises DRELKI  
(SEQ ID NO: 109).

70. (Previously Presented) The compound of claim 33, which comprises GREFRN  
(SEQ ID NO: 110).

71. (Previously Presented) The compound of claim 33, which comprises EYEFRG  
(SEQ ID NO: 111).

72. (Previously Presented) The compound of claim 33, which comprises DWEFRDA  
(SEQ ID NO: 112).

73. (Previously Presented) The compound of claim 33, which comprises SWEFRT  
(SEQ ID NO: 113).

74. (Previously Presented) The compound of claim 33, which comprises DKELR  
(SEQ ID NO: 114).

75. (Previously Presented) The compound of claim 33, which comprises SFEFRG  
(SEQ ID NO: 115).